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PATENT IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Michael G. Lowery, et al.

Serial No.: 10/763,548

Filed: January 23, 2004

For: METHOD FOR DETECTING

ARTIFACTS IN DATA

Examiner: Not yet assigned

Group Art Unit: 3736

Çase No.: 7286.US.O1

Certificate of Mailing under 37 CFR §1.8(a):

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to:

Commissioner for Patents

P.O. Box 1450

Alexandria, VA22313-1450, on:

Date of Deposit: August 12,2004

Michele M. Bonke

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Alexandria, VA 22313 - 1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.56 and 1.97(b), Applicants bring to the attention of the Examiner the documents listed on the attached PTO 1449. This Information Disclosure Statement is being filed, to the knowledge of the undersigned, before the mailing date of a first Office Action on the merits. Applicants respectfully petition and request that the Examiner consider the listed documents and evidence such consideration by making appropriate notations on the attached form. Copies of the listed documents, except for the listed United States patents and United States patent application publication are attached.

This submission does not represent that a search has been made or that no better art exists, and does not constitute an admission that each or all of the listed documents are material or constitute "prior art". If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

The Commissioner is authorized to charge our Deposit Account any additional fees (or credit any over payments) that may be required under 37 C.F.R. §§ 1.16 and 1.17 in association with this communication for which full payment has not been tendered.

23492

ABBOTT LABORATORIES Telephone: (847) 937-6182

Facsimile: (847) 938-2623

Respectfully submitted, Michael G. Lowery et al.

David L. Weinstein

Registration No. 28, 128 **Attorney for Applicants**



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TRANSMITTAL LETTER

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Enclosed herewith is the Information Disclosure Statement of Nonprovisional Application of Michael G. Lowery, et al. for Serial No. 10/763,548, filed January 23, 2004.

Also enclosed are:

PTO Form 1499 Copies of Nine References Cited Return Receipt Postcard

The Commissioner is hereby authorized to charge any additional Filing Fees required under 37 CFR 1.16, as well as any patent application processing fees under 37 CFR 1.17 associated with this communication for which full payment has not been tendered, to Deposit Account No. 01-0025. A duplicate copy of this sheet is enclosed.

23492

ABBOTT LABORATORIES Telephone: (847) 937-6182 Facsimile: (847) 938-2623 Respectfully submitted, Michael G. Lowery, et al.

David L. Weinstein Registration No. 28,128 Attorney for Applicants

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	SERIAL NO.
PATENT AND TRADEMARK OFFICE	7286.US.O1	10/763,548
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT Michael G. Lowery et al.	
μ) (Use several sheets if necessary)	FILING DATE	GROUP
(SZ GFR + 88 (b))	01/23/2004	3736

U.S.PATENT DOCUMENTS

EXAMINER	T		ISSUE			SUB	FILING
INITIAL		PATENT NUMBER	DATE	PATENTEE	CLASS	CLASS	DATE
	A1	5,782,757	07/21/1998	Diab et al.			
	A2	6,002,957	12/14/1999	Finneran			
	A3	6,018,673	01/25/2000	Chin et al.			
	A4	6,067,462	05/23/2000	Diab et al.			
	A5	6,236,872	05/22/2001	Diab et al.			
	A6	6,241,663	06/05/2001	Wu et al.			
	A7	6,353,226	03/05/2002	Khalil et al.			
	A8	6,374,129	04/16/2002	Chin et al.			
	A9	2003/0023151	01/20/2003	Khalil et al.			
	A10	6,526,298	02/25/2003	Khalil et al.			
	A11	6,615,061	09/02/2003	Khalil et al.			
•	A12	6,630,673	10/07/2003	Khalil et al.			
	A13	6,662,030	12/09/2003	Khalil et al.			
	A14	6,662,031	12/09/2003	Khalil et al.		l	<u> </u>

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLIC- ATION	COUNTRY OR		SUB	TRA LAT	
		DATE	PATENT OFFICE	CLASS	CLASS	YES	NO
B1	99/59464	25.11.1999	WO				
B2	02/060320	08.08.2002	WO				
 В3	02/082989	24.10.2002	WO				

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

 C1	Yeh et al., "Monitoring Blood Glucose Changes in Cutaneous Tissue by Temperature-modulated Localized Reflectance Measurements". Clinical Chemistry, Vol. 49:6, 2003; pp. 924-934.
 C2	Yeh et al., "Near-infrared thermo-optical response of the localized reflectance of intact diabetic and nondiabetic human skin". Journal of Biomedical Optics, Vol. 8, No. 3, July 2003; pp.534-544.
 C3	Khalil et al., "Temperature modulation of the visible and near infrared absorption and scattering coefficients of human skin". Journal of Biomedical Optics, Vol. 8, No. 2, April 2003; pp.191-205.
C4	Wu et al., "Noninvasive Determination of Hemoglobin and Hematocrit Using a Temperature-Controlled Localized Reflectance Tissue Photometer". Analytical Biochemistry, Vol. 287, 2000; pp. 284-293.
C5	Zhang et al., "Investigation of Noninvasive <i>in vivo</i> Blood Hematocrit Measurement Using NIR Reflectance Spectroscopy and Partial Least-Squares Regression". Applied Spectroscopy, Vol. 54, No. 2, 2000; pp. 294-299.
C6	Khalil et al., Method for Modulating Light Penetration Depth in Tissue and Diagnostic Applications Using Same, U.S. Serial Number 09/419,461, filed October 15, 1999.

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Form PTO - 1449 (Modified)

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE	ATTY. DOCKET NO.	SERIAL NO.		
(Modified) PATENT AND TRADEMARK OFFICE	7286.US.O1 10/763,548			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICANT			
	Michael G. Lowery et al.			
(Use several sheets if necessary)	FILING DATE	GROUP		
(37 CFR 1.98 (b))	01/23/2004	3736		

U.S.PATENT DOCUMENTS

EXAMINER			ISSUE			SUB	FILING
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·	A1	5,782,757	07/21/1998	Diab et al.			
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	A11	6,615,061	09/02/2003	Khalil et al.			
	A12	6,630,673	10/07/2003	Khalil et al.			
	A13	6,662,030	12/09/2003	Khalil et al.			
•	A14	6,662,031	12/09/2003	Khalil et al.		1	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLIC- ATION	COUNTRY OR		SUB	TRA LAT	
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	C4	Wu et al., "Noninvasive Determination of Hemoglobin and Hematocrit Using a Temperature-Controlled Localized Reflectance Tissue Photometer". Analytical Biochemistry, Vol. 287, 2000; pp. 284-293.
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PTO/SB/05 (4/98)

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Approved for use through 09/30/2000. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

Atton	ney Docket No. 6351.US.P2	
First	Inventor or Application Identifier O. S. Khalil	
Title	See 1 in Addendum	

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

First	Inventor or Applica	ation Identifier	O. S	. Khalil	
Title	See 1 in Add	endum			
Expr	ess Mail Label No.	EE83550	77611	US	

	ICATION ELEMENTS 600 concerning utility patent application contents.	Assistant Commissioner for Patents ADDRESS TO: Box Patent Application Washington, DC, 20231				
See MPEP chapter 1. X * Fee T (Submit) 2. X Specific (preferre - Descri - Cross - Staten - Refere - Backg - Brief S - Brief S - Detaile - Claime - Abstra	fransmittal Form (e.g., PTO/SB/17) an original and a duplicate for fee processing) cation [Total Pages 55] iptive title of the Invention References to Related Applications ment Regarding Fed sponsored R & D ence to Microfiche Appendix ground of the Invention Summary of the Invention Description of the Drawings (if filed) ed Description (s) act of the Disclosure g(s) (35 U.S.C. 113) [Total Sheets 14]	Mashington, DC 20231 5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies ACCOMPANYING APPLICATION PARTS 7. Assignment Papers (cover sheet & document(s)) 8. 37 C.F.R.§3.73(b) Statement Power of (when there is an assignee) 9. English Translation Document (if applicable) 10. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Statement (IDS)/PTO-1449 Citations 11. Preliminary Amendment 12. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 13. Statement(s) Statement filed in prior application Status still proper and desired Certified Copy of Priority Document(s) (if foreign priority is claimed)				
16. If a CONTINUE CONTINUE Prior application For CONTINUATION AND A SECONDARY	nation Divisional X Continuation-in-part (ion information: Examiner ON or DIVISIONAL APPS only: The entire disclosure considered a part of the disclosure of the accompare	supply the requisite information below and in a preliminary amendment: (CIP) of prior application No: 09/080,470 Group / Art Unit: 3736 e of the prior application, from which an oath or declaration is supplied nying continuation or divisional application and is hereby incorporated by				
reference. The inc	corporation can only be relied upon when a portion	has been inadvertently omitted from the submitted application parts.				
·	17. CORRESPOND	JENUE ADURESS				
Customer Nu	umber or Bar Code Labe I (Insert Customer No. or At	or Correspondence address below tach bar code label here)				
Ab	Name Steven F. Weinstock Abbott Laboratories					
1 A alabasas	epartment 377 / AP6D-2 0 Abbott Park Road					
City Ab	obott Park State	IL Zip Code 60064-6050				
Country US	SA Telephone	(847) 938-3137 Fax (847) 938-2623				
Name (Print/T)	David L. Weinstein	Registration No. (Attorney/Agent) 28,128				
Signature	(a) anid News	tein Date October 15,1999				

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

Addendum

1. METHOD FOR MODULATING LIGHT PENETRATION DEPTH IN TISSUE AND DIAGNOSTIC APPLICATIONS USING SAME

FEE TRANSMIT

Patent fees are subject to annual revision on October 1. These are the fees effective October 1, 1997. Small Entity payments <u>must</u> be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT

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•					
Complete if Known					
Application Number					
Filing Date	October 15, 1999				
First Named Inventor	O.S. Khalil				
Examiner Name	(not yet assigned)				
Group / Art Unit	(not yet assigned)				
Attorney Docket No.	6351.US.P2				

User ID

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)						
The Commissioner is hereby authorized to charge indicated tees and credit any over payments to:		DITIO Entity Fee		FEE Entity	•	5 B.U		
Denosit	Code	(\$)	Code	(\$)	Fee Description	Fee Paid		
Account Number 01-0025	105 127	130	205	65	Surcharge - late filing fee or oath			
Deposit Account Abbott Laboratories		50	227	25	Surcharge - late provisional filing fee or cover sheet.			
Name Charge Any Additional Fee Required Under 37 C.F.R. §§ 1.16 and 1.17 Charge the Issue Fee Set in 37 C.F.R. §1.18 at the Mailing of the Notice of Allowance		130	139	130	Non-English specification			
		2,520	147	2,520	For filing a request for reexamination			
		920*	112	920*	Requesting publication of SIR prior to Examiner action			
2. Payment Enclosed: Check Order Other		1,840*	113	1,840*	Requesting publication of SIR after Examiner action			
		110	215	55	Extension for reply within first month			
FEE CALCULATION	116	400	216	200	Extension for reply within second month			
1. BASIC FILING FEE	117	950	217	475	Extension for reply within third month			
Large Entity Small Entity	118	1,510	218	755	Extension for reply within fourth month			
Fee Fee Fee Fee Fee Description Fee Paid Code (\$) Code (\$)	128	2,060	228	1,030	Extension for reply within fifth month			
101 790 201 395 Utility filing fee 760.00	119	310	219	155	Notice of Appeal			
106 330 206 165 Design filing fee	120	310	220	155	Filing a brief in support of an appeal			
107 540 207 270 Plant filing fee	121	270	221	135	Request for oral hearing			
108 790 208 395 Reissue filing fee	138	1,510	138	1,510	Petition to institute a public use proceeding			
114 150 214 75 Provisional filing fee	140	110	240	55	Petition to revive - unavoidable			
SUBTOTAL (1) (\$) 760.00		1,320	241	660	Petition to revive - unintentional			
2. EXTRA CLAIM FEES		1,320	242	660	Utility issue fee (or reissue)			
Extra Claims Fee from below Fee Paid Total Claims 52 -20** = 32 x 18.00 576.00		450	243	225	Design issue fee			
		670	244	335	Plant issue fee			
Independent 3 - 3** = 0 x 78.00 = 00.00	122	130	122	130	Petitions to the Commissioner			
Multiple Dependent =	123	50	123	50	Petitions related to provisional applications			
**or number previously paid, if greater, For Reissues, see below Large Entity Small Entity	126	240	126	240	Submission of Information Disclosure Stmt			
Fee Fee Fee Fee Description Code (\$) Code (\$)		40	581	40	Recording each patent assignment per property (times number of properties)			
103 22 203 11 Claims in excess of 20		790	246	395	Filing a submission after final rejection (37 CFR 1.129(a))			
102 82 202 41 Independent claims in excess of 3 104 270 204 135 Multiple dependent claim, if not paid	149	790	249	395	For each additional invention to be			
109 82 209 41 ** Reissue independent claims					examined (37 CFR 1.129(b))			
over original patent	Other fe	Other fee (specify)						
110 22 210 11 ** Reissue claims in excess of 20		Other fee (checity)						
and over original patent	Oulei le	Other fee (specify)						
SUBTOTAL (2) (\$) 576.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0								
SUBMITTED BY Complete (if applicable)								
Typed or		Reg Number				- i		
Printed Name David L. Weinstein 28,128								
Signature (1)	. 170			ate C	Deposit Account			

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